

Total Surface Area of a Triangular Pyramid

01. A triangular pyramid has a base with sides measuring 15 cm, 20 cm, and 25 cm. If the slant height is 16 cm, what is its total surface area?
02. The total surface area of a triangular pyramid is 400 square units. If the base perimeter is 100 units and the height of the pyramid is 10 units, what is the slant height?
03. A triangular pyramid has a base with sides measuring 8 cm, 15 cm, and 17 cm. If the height of the pyramid is 12 cm, what is its total surface area?
04. The total surface area of a triangular pyramid is 432 square units. If the base perimeter is 108 units and the height of the pyramid is 9 units, what is the slant height?
05. A triangular pyramid has a base with sides measuring 10 cm, 24 cm, and 26 cm. If the slant height is 18 cm, what is its total surface area?
06. The total surface area of a triangular pyramid is 500 square units. If the base perimeter is 125 units and the height of the pyramid is 20 units, what is the slant height?

07. A triangular pyramid has a base with sides measuring 6 cm, 8 cm, and 10 cm. If the height of the pyramid is 9 cm, what is its total surface area?

08. The total surface area of a triangular pyramid is 600 square units. If the base perimeter is 150 units and the height of the pyramid is 12 units, what is the slant height?

09. A triangular pyramid has a base with sides measuring 9 cm, 12 cm, and 15 cm. If the slant height is 20 cm, what is its total surface area?

10. The total surface area of a triangular pyramid is 660 square units. If the base perimeter is 165 units and the height of the pyramid is 11 units, what is the slant height?

11. A triangular pyramid has a base with sides measuring 5 cm, 12 cm, and 13 cm. If the height of the pyramid is 7 cm, what is its total surface area?

12. The total surface area of a triangular pyramid is 728 square units. If the base perimeter is 182 units and the height of the pyramid is 8 units, what is the slant height?